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EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 892 504 A (CSELT CENTRO STUDI LAB TELECOM) 20 January 1999 (1999-01-20) page 2, line 39 - line 43 page 3, line 15 - line 56; figure 2 page 7, line 4 - line 12	1-5, 9-13, 18-22
Y	WO 01 59945 A (ERICSSON INC) 16 August 2001 (2001-08-16) page 4, line 1 - line 9 page 5, line 6 -page 6, line 20; figure 1 page 7, line 16 -page 8, line 14; figure 2	1-5, 9-13, 18-22
A	US 6 118 832 A (VILA PIERRE ET AL) 12 September 2000 (2000-09-12) column 7, line 33 -column 8, line 45; figure 3	1-22

 Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

23 March 2004

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